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Vol. XXIII No. 1

# Contractors Engineers Monthly

July, 1931

Published Monthly at 470 Fourth Ave., New York, by Buttenheim-Dix Publishing Corporation.

Daily News Plaza, Chicago Tom Dix, Vice President 642 Hanna Building, Cleveland George Conover, Manager

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A comprehensive classification of the leading machinery and supply manufacturers arranged for the convenience of contractors, engineers and public officials who may wish to secure information about construction equipment. A star (\*) before the manufacturer's name indicates that his advertisement appears in this issue.

The Index of Advertisers faces the inside back cover. When writing to manufacturers please mention CONTRACTORS & ENGINEERS MONTHLY.

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Acetylene Welding Apparatus (See Welding Apparatus)

Admixtures, Concrete, Accelerating Admixtures, Concrete, Accelerating

\*Acqua-Pruf, Inc., New York

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\*Dow Chemical Co., Midland, Mich.

\*Solvay Sales Corp., New York

Master Builders Co., Cleveland, Ohio
Michigan Alkali Co., Now York

Super Concrete Emulaions, Ltd., Pittsburgh. Pa.

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\*Standard Oil Co. of N. Y., New York

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Atlantic Refining Co., Philadelphia

Barber Asphalt Co., Philadelphia

Gulf Refining Co., Philadelphia

Gulf Refining Co., Lawrenceville, Ill.

Sinclair Refining Co., Lawrenceville, Ill.

Sinclair Refining Co., Chicago

Standard Oil Co. of Cal., San Francisco

Standard Oil Co. of La., New Orleans, La.

Standard Oil Co. of In. J., Newark, N. J.

San Oil Co., Pittsburgh, Ps.

Texas Co., The, New York

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Asphalt Cutters (See Asphalt Tools, and Tools,

Asphalt Distributors (See Distributors)

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Asphalt for Curing Concrete Barber Asphalt Co., Philadelphia McEverlast, Inc., Los Angeles, Ca

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Asphalt Mixtures, Cold-Laid Amiesite Asphalt Co. of Amer., Philadelphia Colprovia Roads, Inc., New York

Asphalt Plants Asphait Plants

Austin-Western Road Machy. Co., Chicage

\*Chausse Oil Burner Co., Elkhart, Ind.

\*Hetherington & Berner, Indianapolis, Ind.

\*Simplicity System Co., Chattanoga, Tenn.

American Fin-Mix Co., Chicago

Asphait Equipment Co., Scottdale, Pa.

Barber Asphalt Co., Philadelphia

Charleroi Iron Works. Charleroi, Pa.

Cummer & Son Co., F. D., Cleveland, O.

Farasey Mg. Co., J. D., Cleveland, O.

Iowa Mfg. Co., Cedar Rapids, Iowa

Macleod Co., Cincinnati, O.

Madsen Iron Works, Huntington Park, Calif.

Merriman Asphait Plant, Inc., Lima, Ohio

Warren Bros. Co., Boston, Mass.

Western Wheeled Beraper Co., Aurora, Ill, Asphalt Pouring Pots (See Pots)

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Asphalt Rock

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Asphalt Sprayers, Hand (See Sprayers)

Asphalt Spreaders (See Spreaders)

Asphalt Surface Heaters (See Heaters)

Asphalt Tools

\*Chausse Oil Burner Co., Elkhart, Ind.
\*Littleford Bros. Cincinnati, Ohio
Aeroil Burner Co., West New York, N. J.
American Fork & Hoe Co., Cleveland, O.
American Steel Works, Kansas City, Mo.
Barber Asphalt Co., Philadelphis
Cummer & Sons Co., F. D., Cleveland, O.
Warren Bros. Co., Boston, Mass.

Augers, Earth, Power, Horizontal Hydrauger Corp., Ltd., San Francisco, Calif. Young Engine Corp., Canton, Obio

Augers, Post-Hole, Power

Cook Co., A. D., Lawrenceburg, Ind. Highway Trailer Co., Edgerton, Wis. Loomis Machine Co., Tiffin, Ohio Salem Tool Co., Salem, Ohio Specialty Device Co., Cincinnati, O. Utility Supply Co., Clintonville, Wis. W.K.M Co., Houston, Texas

Backfillers

Backfillers

\*Austin Machy. Corp., Muskegon, Mich.
\*Bay City Shovels, Inc., Bay City, Mich.
\*General Wheelbarrow Co., Cleveland
\*General Excavator Co., Marion, Ohio
\*Keystone Driller Co., Beaver Falls, Pa.
\*LaPlant-Choate Mfg. Co., Cedar Rapids, Iowa
Baker Mfg. Co., Springfield, Ill.
Blair Mfg. Co., W. M., Chicago
Buckeye Traction Ditcher Co., Findlay, O.
Bucyrus-Erie Co., So. Millwaukee, Wis.
Byers Machine Co., Ravenna, Ohio
Cleveland Trencher Co., Euclid, Ohio
Construction Machy. Co., Waterloo, Iowa
Good Roads Machy. Co., Inc., Kennett Sq., Pa.
Harnischfeger Corp., Milwaukee, Wis.
Insley Mfg. Co., Indianapolls, Ind.
Koehring Co., Millwaukee, Wis.
Lansing Co., Lansing, Mich.
Link-Belt Co., Chicago
Miami Trailer-Scraper Co., Troy, Ohio
Parsons Co., Newton, Iowa
Sidney Steel Scraper Co., Sidney, Ohio
Star Drilling Machine Co., Akron, Ohio
Universal Fower Shovel Co., Detroit, Mich.
Western Wheeled Scraper Co., Aurora, Ill.
Willamette-Erated Co., Portland, Ore.

Bags, Paper, for Cement

ags, raper, for Cement Arkell & Smith, Canajoharie, N. Y. Phillips Co., Thos., Akron, Ohio Raymond Bag Co., Middletown, Ohio St. Regis Paper Co., New York Union Bag & Paper Co., New York

Bag Trucks (See Trucks)

Baling Presses (See Presses)

Bar Benders and Cutters (See Benders)

Barricades (See also Horses) \*McCurdy Steel Products Co., Ada, Ohio Cleveland Steel Spec. Co., Cleveland, U. EDGAR J.

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Ber Ties (See Ties)

Batch Boxes (See Boxes)

Batchers

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\*Blaw-Knox Ce., Pittsburgh, Pa.

\*Buller Bin Co., Waukesha, Wis.

\*Heitzel Stl. Form & Ir. Co., Warren, Ohis

\*Researcher Co., Aurora, Ill.

\*Researcher Co., Aurora, Ill. Helizel Stl. Form & Ir. Co., Warren, Ohis Barber-Greene Co., Aurora, III. Beaumont Co., R. H., Philadelphia Erie Steel Const. Co., Erie, Ps. Johnson Co., C., Champaign, III. Macleod Co., Cincinnati, Ohio Madsen Iron Works, Huntington Pk., C Smith Co., T. L., Milwaukee, Wis. Superior Engineering Co., Warren, Ohio Pk., Calif.

Bearings, Ball

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Bearings, Roller

Gwilliam Co., Brooklyn, N. Y.
Hyatt Roller Bearing Co., Harrison, N. J.
Inaley Mfg. Co., Indianapolis, Ind.
S K F Industries, New York
Timken Roller Bearing Co., Canton, Ohio

Belt Conveyors (See Conveyors)

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Belts, Power Transmission

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Buckner Process, Inc., Worcester, Mass.
Chain Belt Co., Milwaukee, Wis.
Dayton Rubber Mfg. Co., Dayton, Ohio
Falls Clutch & Machy, Co., Cayahoga Falls, O
Worthington Pump & Machy. Corp., New York

Benders and Cutters, Bar

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Buffalo Forge Co., Buffalo, N. Y.
Concrete Steel Co., New York
Hinman & Co., D. A., Sandwich, Ill,
Kardong Bros., Minneapolis, Minn.
Kochring Co., Milwaukee, Wis,
Wallace Supplies Mfg. Co., Chicago

Bending Machines, Pipe

American Pipe Bending Mach. Co., Boston Buffalo Forge Co., Buffalo, N. Y. Wallace Supplies Mfg. Co., Chicago Watson-Stillman Co., New York

Bins, Storage

Bins, Storage

\*Austin-Western Ed. Machy. Cc., Chicage
\*Blaw-Knox Co., Pittsburgh, Pa.
\*Burch Corp., The, Crestline, Ohio
\*Butler Bin Co., Waukesha, Wis.
\*Diamond Iron Works, Inc., Minucapolis, Minn.
\*Heitzel Stl. Form & Ir. Co., Warren, Ohio
\*Littleford Bros., Cincinnati, Ohio
\*Chittleford Bros., Cincinnati, Ohio
\*Pioneer Gravel Equip. Mfg. Co., Minneapelis
\*Beaumont Co., R. H., Philadelphia
\*Birmingham Tank Co., Birmingham, Ala.
\*Canton Art Metal Co., Canton, Ohio
\*Eric Steel Const. Co., Eric, Ps.
\*Fairfield Engg. Co., Marion, Ohio
\*Iowa Mfg. Co., Cedar Rapids, Iowa

EDGAR J. BUTTENHEIM President THEODORE REED KENDALL Editor

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Vol. XXIII No. 2

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Asphalt Sprayers (See Sprayers)

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Air Hose [See Hose]

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Sinclair Refining Co., Chicago

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Standard Oil Co. of La., New Orleans, La.

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Sun Oil Co., Pittsburgh, Pa.

Texas Co., The, New York

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\*Simplicity System Co., Chatanooga, Tenn.

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Barber Asphalt Co., Philadelphia

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Commer & Son Co., F. D., Cleveland, O.

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Warren Bros. Co., Boston, Mass.

Western Wheeled Scraper Co., Aurora, Ill.

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Utah Rock Asphalt Corp., Pueblo, Colo.
Uvalde Rock Asphalt Corp., San Antonio, Texas

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American Steel Works, Kanasa City, Mo.
Barber Asphalt Co., Philadelphia
Cummer & Sons Co., F. D., Cleveland, O.
Warren Bros. Co., Boston, Mass.

Augers, Earth, Power, Horizontal

\*Armco Culvert Mfrs. Assn., Middletown, O. Hydrauger Corp., Ltd., San Francisco, Calif. Bearings, Roller Young Engine Corp., Canton, Ohio Gwilliam Co.,

Augers, Post-Hole, Power

Cook Co., A. D., Lawrenceburg, Ind. Highway Trailer Co., Edgerton, Wis. Loomis Machine Co., Tiffin, Ohio Salem Tool Co., Salem, Ohio Specialty Device Co., Cincinnati, O. Utility Sapply Co., Clintowille, Wis. W-K-M Co., Houston, Texas

Backfillers

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\*Austin Machy. Corp., Muskegon, Mich.
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Parsons Co., Newton, Iowa
Sidney Steel Scraper Co., Sidney, Ohio
Star Drilling Machine Co., Airon, Ohio
Universal Fower Shovel Co., Detroit, Mich.
Western Wheeled Scraper Co., Aurora, Ill.
Willamette-Ersted Co., Portland, Ore.
W.K-M Co., Houston, Texas

Begs, Paper, for Cement

Bags, Paper, for Cement

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Barricades (See also Horses) \*McCurdy Steel Products Co., Ada, Ohi Cleveland Steel Spec. Co., Cleveland, O.

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Batch Boxes (See Boxes)

**Batchers** 

\*\*Setchers\*

\*Blaw-Knox Co., Pittsburgh, Pa.

\*Butler Bin Co., Wankesha, Wis.

\*Heltzel Stl. Form & Ir. Co., Warren, Ohie

Barber-Greene Co., Aurora, Ill.

Beaumont Co., R. H., Philadelphia

Erie Steel Const. Co., Erie, Pa.

Johnson Co., C. S., Champaign, Ill.

Macleod Co., Cincinnati, Ohio

Madsen Iron Works, Huntington Pk., Calif.

Smith Co., T. L., Milwaukee, Wis.

Superior Engineering Co., Warren, Ohio

Bearings, Ball

Ball & Roller Bearing Co., Danbury, Conn Fafnir Bearing Co., New Britain, Conn. Gwilliam Co., Brooklyn, N. Y. Haynes Stellite Co., Kokomo, Ind. New Doparture Mfg. Co., Bristol, Conn. S K F Industries, New York Strom Bearings Co., Chicago

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Falls Clutch & Machy, Co., Cuyahoga Falls, 0
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Benders and Cutters, Bar

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Bending Machines, Pipe

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Sins, Storage

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\*Burch Corp., The, Crestline, Ohio

\*Butler Bin Co., Waukesha, Wis.

\*Diamond Iron Works, Inc., Minneapolis, Minn.

\*Heitzel Stl. Form & Ir. Co., Warren, Ohio

\*Littleford Bros., Cincinnati, Ohio

\*Littleford Bros., Cincinnati, Ohio

\*Pioneer Gravel Equip. Mfg. Co., Minneapolis

Beaumont Co., R. H., Philadelphia

Beaumont Co., R. H., Philadelphia

Birmingham Tank Co., Birmingham, Ala.

Canton Art Metal Co., Canton. Ohio

Erie Steel Const. Co., Erie, Pa.

Fairfield Engg. Co., Marion, Ohio

Iowa Mfg. Co., Cedar Rapids, Iowa

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W. J.

THEODORE REED KENDALL Editor

O. E. POTTER Associate Editor P. C. FORD Asst. to President HERBERT K. SAKE Treasurer Myron MacLro-Advertising Manager

Vol. XXIII No. 3

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A comprehensive classification of the leading machinery and supply manufacturers arranged for the convenience of contractors, engineers and public officials who may wish to secure information about construction equipment. A star (\*) before the manufacturer's name indicates that his advertisement appears in this issue.

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Admixtures, Concrete, Accelerating Admixtures, Concrete, Accelerating

\*Acqua-Pruf, Inc., New York

\*Columbia Products Co., Barberton, Ohie

\*Dow Chemical Co., Midland, Mich.

\*Soivay Sales Corp., New York

Ash Grove Lime & P. C. Co., Kansas City, Mo.

Master Builders Co., Cleveland, Ohio

Michigan Alkali Co., New York

Super Concrete Emulsions, Ltd., Pittsburgh, Pa.

Truscon Laboratories, Detroit, Mich. Kansas City, Mo.

Admixtures, Concrete, for Workability Colloy Products Co., St. Louis, Mo.

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Air Hose Couplings (See Couplings

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\*Standard Oil Co. of Ind., Chicago

\*Standard Oil Co. of N. Y., New York

Asphalt Institute. The, New York

Atlantic Refining Co., Philadelphia

Barber Asphalt Co., Philadelphia

Gulf Refining Co., Lawrenceville, Ill.

Sinclair Refining Co., Lawrenceville, Ill.

Sinclair Refining Co., Chicago

Standard Oil Co. of Cal., San Francisco

Standard Oil Co. of Cal., New Orleans, La.

Standard Oil Co. of N. J., Newark, N. J.

Sun Oil Co., Pittsburgh, Pa.

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Asphalt Block Paving (See Block Paving)

Asphalt Cutters (See Asphalt Tools, and Tools,

Asphalt Distributors (See Distributors)

Asphalt, Emulsified American Bitumuls Co., Baltimore, Md. Colas Roads, Inc., Boston Headley Emulsified Prod, Co., Philadelphia

Asphalt for Curing Concrete Barber Asphalt Co., Philadelphia McEverlast, Inc., Los Angeles, Calif.

Asphalt Kettles (See Kettles)

Asphalt Mixtures, Cold-Laid Amiesite Asphalt Co. of Amer., Philadelphia Colprovia Roads, Inc., New York

Asphalt Plants

Asphalt Plants

\*Austin-Western Road Machy. Co., Chicage

\*Chausse Oil Burner Co., Elkhart, Ind.

\*Hetherington & Berner, Indianapolis, Ind.

\*Simplicity System Co., Chattanoga, Tenn.

American Fin-Mix Co., Chicago

Asphalt Equipment Co., Scottdale, Pa.

Barber Asphalt Co., Philadelphia

Charlerol Iron Works. Charleroi, Fa.

Cummer & Son Co., F. D., Cleveland, O.

Iowa Mig. Co., J. D., Cleveland, O.

Iowa Mig. Co., Cedar Rapids, Iowa

Macleed Co., Cincinnati, O.

Madsen Iron Works. Huntington Park, Ca

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Asphalt Tools

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\*Chitleford Bros. Cincinnati, Ohio
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Barber Asphalt Co., Philadelphia
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Backfillers

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Batch Boxes (See Boxes)

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Belts, Power Transmission

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Falls Clutch & Machy. Co., Cuyahoga Falls, OWorthington Pump & Machy. Corp., New York

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Concrete Steel Co., New York
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Sins, Storage

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\*Burch Corp., The, Crestline, Ohio

\*Burler Bin Co., Wankesha, Wis.

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\*Heltzel Stl. Form & Ir. Co., Warren, Ohie

\*Littleford Bros., Cincinnati, Ohio

\*Littleford Bros., Cincinnati, Ohio

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Vol. XXIII No. 4

# Contractors Engineers Monthly

October, 1931

Published Monthly at 470 Fourth Ave., New York, by Buttenheim-Dix Publishing Corporation.

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Tom Dix, Vice President

642 Hanna Building, Cleveland
George Conover, Manager

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Asphalt Cutters (See Asphalt Tools, and Tools, Pneumatic)

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\*Chausse Oil Burner Co., Elkhart, Ind.

\*Hetherington & Berner, Indianapolis, Ind.

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Asphalt Road Finishers (See Finishers)

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Kentucky Rock Asphalt Co., Louisville, Ky.
Natural Rock Asphalt Corp., Louisville, Ky.
Ohio Valley Rock Asphalt Co., Louisville, Ky.
Utah Rock Asphalt Corp., Pueblo, Colo.
Uvalde Rock Asphalt Corp., San Antonio, Texas

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Asphalt Sprayers, Hand (See Sprayers)

Asphalt Surface Heaters (See Heaters)

Asphalt Tools

\*\*Ghausse Oil Burner Ce., Eikhart, Ind.
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\*\*Aeroll Burner Co., West New York, N. J.
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Barber Asphalt Co., Philadelphia
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Batch Boxes (See Boxes)

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Smith Co., T. L., Milwaukee, Wis.
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Belt Conveyors (See Conveyors)

Belt Dressing (See Dressing)

Belts, Power Transmission

\*Worthington Pump & Machy. Corp., Harrisen, N. J. N. J.
Buckner Process, Inc., Worcester, Mass.
Chain Belt Co., Milwaukee, Wis.
Dayton Rubber Mfg. Co., Dayton, Ohio
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Benders and Cutters, Bar

\*Ransome Concrete Machy. Co., Dunellen, M. J.
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Concrete Steel Co., New York
Himman & Co., D. A., Sandwich, Ill.
Kardong Bros., Minneapolis. Minn.
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Fairfield Engg. Co., Marion, Ohio
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Engar J. Buttenheim President

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THEODORE REED KENDALL Editor

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Vol. XXIII No. 5

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November, 1931

Published Monthly at 470 Fourth Ave., New York, by Buttenheim-Dix Publishing Corporation.

Daily News Plaza, Chicago
Tom Dix, Vice President

642 Hanna Building, Cleveland
George Conover, Manager

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Admixtures, Concrete, Accelerating

\*\*Acqua-Pruf, Inc., New York
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\*\*Dow Chemical Co., Midland, Mich.
\*\*Solvay Sales Corp., New York
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Michigan Alkali Co., New York
Super Concrete Emulsions, Ltd., Pittsburgh, Pa.
Truscon Laboratories, Detroit, Mich.

Admixtures, Concrete, for Workability Barnsdall Tripoli Co., St. Louis, Mo. Colloy Products Co., St. Louis, Mo. Johns-Manville Co., New York Super Concrete Emulsions, Ltd., Pittsburgh, Pa.

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Air Lift Pumps (See Pumps)

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\*Standard Oil Co. of M. Y., New York

Asphalt Institute, The, New York

Atlantic Refining Co., Philadelphia

Barber Asphalt Co., Philadelphia

Burber Asphalt Co., Philadelphia

Guif Refining Co., Pittaburgh, Pa.

Pioneer Asphalt Co., Lawrenceville, III.

Sinclair Refining Co., Chicago

Standard Oil Co. of Cal., San Francisco

Standard Oil Co. of La., New Orleans, La.

Standard Oil Co., Of La., New Orleans, La.

Standard Oil Co., Pittaburgh, Pa.

Texas Co., The, New York un Oil Co., Pittsbu exas Co., The, New

Asphalt Block Paving (See Block Paving)

Asphalt Cutters (See Asphalt Tools, and Tools, Pneumatic)

Asphalt Distributors (See Distributors)

Asphalt, Emulsified American Bitumuls Co., Baltimore, Md. Colas Roads, Inc., Boston Headley Emulsified Prod. Co., Philadelphia

Asphalt for Curing Concrete Barber Asphalt Co., Philadelphia McEverlast, Inc., Los Angeles, Calif.

Asphalt Kettles (See Kettles)

Asphalt Mixtures, Cold-Laid Amiesite Asphalt Co. of Amer., Philadelphia Colprovia Roads, Inc., New York

Asphalt Plants

Asphalt Plants

Austin-Western Road Machy. Co., Chicage

"Chause Oil Burner Co., Elkhart, Ind.

"Hetherington & Berner, Indianapolis, Ind.

"Simplicity System Co., Chattanoga, Tenn.
American Fin-Mix Co., Chicago

Asphalt Equipment Co., Scottdale, Pa.

Barber Asphalt Co., Philadelphis

Charlerol Iron Works. Charleroi, Pa.

Oummer & Son Co., F. D., Cleveland, O.

Farasey Mg., Co., J. D., Cleveland, O.

Iowa Mg., Co., Cedar Rapids, Iowa

Maeleod Co., Cinclinati, O.

Madsen Iron Works, Huntington Park, Ca

Marriman Asphalt Plant, Inc., Lima, Ohio

Warren Bros. Co., Boston, Mass.

Western Wheeled Beraper Co., Aurora, Ill,

Asphalt Pouring Pots (See Pots)

Asphalt Road Finishers (See Finishers)

Asphalt, Rock

Kentucky Rock Asphalt Co., Louisville, Ky. Natural Rock Asphalt Corp., Louisville, Ky. Ohio Valley Rock Asphalt Co., Louisville, Ky. Utah Rock Asphalt Corp., Pueblo, Colo. Uvalde Rock Asphalt Corp., San Antonio, Texas

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Asphalt Sprayers, Hand (See Sprayers)

Asphalt Spreaders (See Spreaders)

Asphalt Surface Heaters (See Heaters)

Asphalt Tools

\*Chausse Oil Burner Co., Elkhart, Ind.

\*Chausse Oil Burner Co., Elkhart, Ind.

\*Littleford Bros. Cincinnati, Ohio
Aeroil Burner Co., West New York, N. J.
American Fork & Hoe Co., Cleveland, O.
American Steel Works, Kansas City, Mo.
Barber Asphalt Co., Philadelphis
Cummer & Sons Co., F. D., Cleveland, O.
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Backfillers

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\*General Excavator Co., Cleveland

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Cleveland Trencher Co., Ecolid, Ohio

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Baling Presses (See Presses)

Bar Benders and Cutters (See Benders)

Barricades (See also Horses) \*McCurdy Steel Products Co., Ada, Ohio Cleveland Steel Spec. Co., Cleveland, O. EDGAR

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Bar Ties (See Ties)

Batch Boxes (See Boxes)

\*\*Blaw-Knox Co., Pittsburgh, Ps.

\*Butler Bin Co., Waukeshs, Wis.

\*Heltzel Stl. Form & Ir. Co., Warren, Ohis
Barber-Greene Co., Aurors, III.
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Erie Steel Const. Co., Erie, Ps.
Johnson Co., C. S., Champaign, III.
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Superior Engineering Co., Warren, Ohio

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Belt Conveyors (See Conveyors)

Belt Dressing (See Dressing)

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Chain Belt Co., Milwaukee, Wis.
Dayton Rubber Mfg. Co., Dayton, Ohio
Falls Clutch & Machy. Co., Cuyahoga Falls, 0.

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\*Blaw-Knoz Co., Pittsburgh, Pa.

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\*Butler Bin Ce., Waukesha, Wis.
\*Diamond Iron Works, Inc., Minueapolis, Mina\*Heitzel Stl. Form & Ir. Co., Warren, Ohio
\*Littleford Bros., Cincinnati, Ohio
\*Littleford Bros., Cincinnati, Ohio
\*Pionesr Gravel Equip. Mfg. Co., MinneapolisBeaumont Co., R. H., Philadelphia
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Canton Art Metal Co., Canton, Ohio
Erie Steel Const. Co., Erie, Pa.
\*Fairfield Engg. Co., Marion, Ohio
Iowa Mfg. Co., Cedar Rapids, Iowa

EDGAR J. BUTTENHEIM President

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This index is published as an aid to the reader, but the publishers assume no responsibility for errors or amissions

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\*Dow Chemical Co., Midland, Mich.

\*Shivay Sales Corp., New York

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\*Standard Oil Co. of M. Y., How York
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Atlantic Refining Co., Philadelphia
Barber Asphait Co., Philadelphia
Gulf Refining Co., Pittsburgh, Pa.
Pioneer Asphait Co., Lawrenceville, Ill.
Sinclair Refining Co., Chicago
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Standard Oil Co. of Cal., San Francisco
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**Asphalt Plants** 

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\*\*Ohanse Oil Burner Co., Elkhart, Ind.

\*\*Hetherington & Berner, Indianapolis, Ind.

\*\*Simplicity System Co., Chattanoga, Tenn.

American Fin-Mix Co., Chicago

Asphalt Equipment Co., Scottdale, Pa.

Barber Asphalt Co., Philadelphia

Charleroi Iron Works, Charleroi, Pa.

Cummer & Son Co., F. D., Cleveland, O.,

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Madsen Iron Works, Huntington Park, Calif.

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\*\*Chausse Oil Burner Co., Elkhart, Ind.

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American Steel Works, Kansas City, Mo.
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Warren Bros. Co., Boston, Mass.

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Backfillers

\*Bay City Shovels, Inc., Bay City, Mich.

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\*General Excavator Co., Marion, Ohio

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\*Keystone Driller Co., Beaver Falls, Pa.

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\*LaPlant-Choate Mfg. Co., Inc., Cedar Rapids, Iawa
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Johnson Co., C. S., Champaign, Ill.
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Insley Mfg. Co., Indianapolis, Ind.
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Buckner Process, Inc., Worcester, Mass.
Chain Belt Co., Milwaukee, Wis.
Dayton Rubber Mfg. Co., Dayton, Ohio
Falls Clutch & Machy. Co., Cuyahoga Falls, O.

Benders and Cutters, Bar

\*Ransome Concrete Machy. Co., Dunellen, N. J.
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Sins, Storage

\*Austin-Western Road Machy. Co., Chicage

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\*Burch Corp., The, Crestline, Ohie

\*Butler Bin Co., Waukesha, Wis.

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Birmingham Tank Co., Birmingham, Ala
Canton Art Metal Co., Canton, Ohie

Erie Steel Const. Co., Erie, Pa.

Fairfield Engg. Co., Marion, Ohie

Iowa Mfg. Co., Cedar Rapids, Iowa

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